

Appl. No. 10/061,128
 Amdt. dated October 29, 2003
 Reply to Office Action of November 21, 2003

Please replace the paragraph starting at page 89, line 1 with the following amended paragraph:

~~2-Fluoro-6-amino-9-(2,3-dideoxy-2-fluoro- β -L-gycero-pent-2-enofuranosyl)purine~~

2-Fluoro-6-amino-9-(2,3-dideoxy-2-fluoro- α -L-gycero-pent-2-enofuranosyl)purine (340). A

solution of 333 (73.4 mg, 0.19 mmol) in dry acetonitrile (10 mL) was treated with TBAF (1 M solution in THF) (0.25 mL, 0.25 mmol) and stirred for 30 min. After evaporation of solvent, the dryness was purified by column chromatography (9 % CH₂Cl₂/MeOH) to obtain 340 (46.2 mg, 0.17 mmol, 90.3 %) as a white crystalline solid. UV (H₂O) ϵ_{\max} λ_{\max} 269.0 nm (pH 7).

Please replace the paragraph starting at page 89, line 6 with the following amended paragraph:

~~2-Amino-6-chloro-9-(2,3-dideoxy-2-fluoro- β -L-gycero-pent-2-enofuranosyl)purine~~

2-Amino-6-chloro-9-(2,3-dideoxy-2-fluoro- β -L-gycero-pent-2-enofuranosyl)purine (341). A

solution of 332 (143.5 mg, 0.40 mmol) in dry acetonitrile (15 mL) was treated with TBAF (1 M solution in THF) (0.6 mL, 0.60 mmol) and stirred for 30 min. After evaporation of solvent, the dryness was purified by column chromatography (5 % CH₂Cl₂/MeOH) to obtain 341 (109 mg, 0.382 mmol, 95.5 %) as a white crystalline solid. UV (H₂O) ϵ_{\max} λ_{\max} 308.5 nm (pH 7).

Please replace the paragraph starting at page 89, line 11 with the following amended paragraph:

~~2-Amino-6-chloro-9-(2,3-dideoxy-2-fluoro- β -L-gycero-pent-2-enofuranosyl)purine~~

2-Amino-6-chloro-9-(2,3-dideoxy-2-fluoro- α -L-gycero-pent-2-enofuranosyl)purine (342). A

solution of 334 (145 mg, 0.36 mmol) in dry acetonitrile (10 mL) was treated with TBAF (1 M solution in THF) (0.5 mL, 0.50 mmol) and stirred for 30 min. After evaporation of solvent, the dryness was purified by column chromatography (9 % CH₂Cl₂/MeOH) to obtain 342 (99.9 mg, 0.35 mmol, 96.4 %) as a white crystalline solid. UV (H₂O) ϵ_{\max} λ_{\max} 309.0 nm (pH 7).

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Please replace the paragraph starting at page 89, line 16 with the following amended paragraph:

~~9-(2,3-dideoxy-2-fluoro- β -L-glycero-pent-2-enofuranosyl)guanine~~

9-(2,3-dideoxy-2-fluoro- β -L-glycero-pent-2-enofuranosyl)guanine (343). A mixture of 341 (63.6 mg, 0.223 mmol), 2-mercaptoethanol (0.06 mL, 0.89 mmol) and 1 N NaOMe (0.89 mL, 0.89 mmol) in MeOH (10 mL) was refluxed for 5 h under nitrogen. The mixture was cooled, neutralized with glacial AcOH and concentrated to dryness under reduced pressure. The residue was purified by column chromatography (12 % CH₂Cl₂/MeOH) to obtain 343 (30.1 mg, 0.113 mmol, 50.7 %) as a white solid. UV (H₂O) ϵ_{\max} λ_{\max} 253.5 nm (pH 7).

Please replace the paragraph starting at page 89, line 22 with the following amended paragraph:

~~9-(2,3-dideoxy-2-fluoro- α -L-glycero-pent-2-enofuranosyl)guanine~~

9-(2,3-dideoxy-2-fluoro- α -L-glycero-pent-2-enofuranosyl)guanine (344). A mixture of 342 (59.3 mg, 0.208 mmol), 2-mercaptoethanol (0.07 mL, 1.04 mmol) and 1 N NaOMe (1.04 mL, 1.04 mmol) in MeOH (10 mL) was refluxed for 5 h under nitrogen. The mixture was cooled, neutralized with glacial AcOH and concentrated to dryness under vacuum. The residue was purified by column chromatography (12.5 % CH₂Cl₂/MeOH) to obtain 344 (28.0 mg, 0.105 mmol, 50.5 %) as a white solid. UV (H₂O) ϵ_{\max} λ_{\max} 253.0 nm (pH 7).